

Title (en)

ARTIFICIAL REEF WITH CORRODIBLE IRON INSERTS

Title (de)

KÜNSTLICHE RIFFANLAGE MIT KORDIERBAREN EISENEINSÄTZEN

Title (fr)

RECIF ARTIFICIEL COMPORTANT DES PIECES RAPPORTEES EN FER OXYDABLES

Publication

EP 1009228 A1 20000621 (EN)

Application

EP 98909180 A 19980313

Priority

- US 9804982 W 19980313
- US 82241797 A 19970321

Abstract (en)

[origin: US5807023A] An artificial reef (10) that can provide a safehaven for small aquatic life and promotes phytoplankton growth (37), of which phytoplankton is food for the small aquatic life. The reef (10) includes at least one tubular vehicle tire (12) having a wall (14) that defines an exterior (16) and a hollow interior (18). The wall (14) includes oppositely situated sidewalls (20) that are interconnected by a treadwall (22) to provide a substantially U-shaped radial cross-section (23). At least one elongated corrodible iron insert (24) is inserted through each wall (14). Each insert (24) has a first end (26), a second end (28) and a center (30). The first end extends into the hollow. interior (18), the center (30) is securely positioned through wall (14) between the exterior (16) and the interior (18), and the second end extends externally of the exterior (16). The insert (24) is preferably a nail, but may be a staple or other shape. The inserts (24) may have varying iron contents to control the insert corrosion rates. In use, the inserts corrode to promote rapid phytoplankton growth. Additionally, the phytoplankton consumes carbon dioxide during the rapid growth. The hollow interior provides a safehaven for the aquatic life who feed on the phytoplankton.

IPC 1-7

A01K 61/00

IPC 8 full level

A01K 61/00 (2006.01)

CPC (source: EP KR US)

A01K 61/70 (2016.12 - EP KR US); **Y02A 40/81** (2017.12 - EP KR US)

Designated contracting state (EPC)

BE DE DK ES FI FR GB GR IE IT MC NL PT SE

DOCDB simple family (publication)

US 5807023 A 19980915; AU 6702598 A 19981020; AU 724658 B2 20000928; EP 1009228 A1 20000621; EP 1009228 A4 20000726; JP 2000512861 A 20001003; KR 20000076241 A 20001226; WO 9842184 A1 19981001

DOCDB simple family (application)

US 82241797 A 19970321; AU 6702598 A 19980313; EP 98909180 A 19980313; JP 54575398 A 19980313; KR 19997008336 A 19990913; US 9804982 W 19980313